

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126025.D
 Acq On : 3 Nov 2021 18:16
 Operator : JU/CG
 Sample : M4470-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 04 10:09:47 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	149960	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	555943	20.00	ng	0.00
39) Acenaphthene-d10	9.886	164	328323	20.00	ng	0.00
64) Phenanthrene-d10	11.369	188	544669	20.00	ng	0.00
76) Chrysene-d12	14.004	240	319548	20.00	ng	# 0.00
86) Perylene-d12	15.468	264	321740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	741544	84.92	ng	0.00
7) Phenol-d6	6.475	99	958581	77.87	ng	-0.01
23) Nitrobenzene-d5	7.410	82	721953	61.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	306681	81.51	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	1310590	53.94	ng	0.00
79) Terphenyl-d14	12.957	244	1081984	54.60	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	141460	4.79	ng	98
75) Fluoranthene	12.574	202	153443	4.67	ng	96
78) Pyrene	12.804	202	122703	4.79	ng	96
81) Benzo(a)anthracene	13.992	228	60286	2.75	ng	# 91
83) Chrysene	14.027	228	62410m	3.06	ng	
87) Indeno(1,2,3-cd)pyrene	16.909	276	41409	2.17	ng	# 80
88) Benzo(b)fluoranthene	15.039	252	73335m	3.50	ng	
90) Benzo(a)pyrene	15.404	252	48053	2.91	ng	98
92) Benzo(g,h,i)perylene	17.345	276	42933	2.86	ng	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

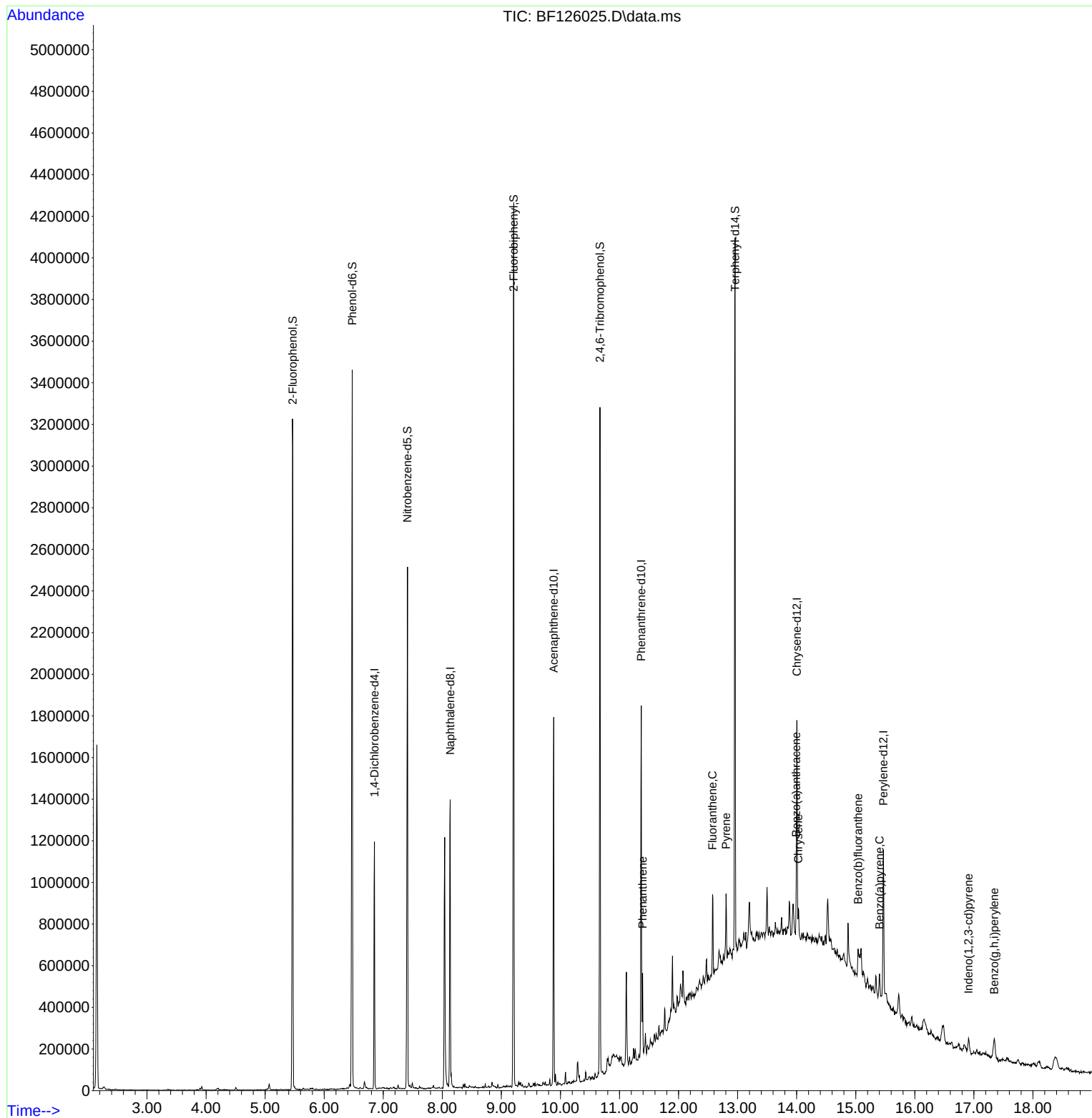
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126025.D
Acq On : 3 Nov 2021 18:16
Operator : JU/CG
Sample : M4470-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

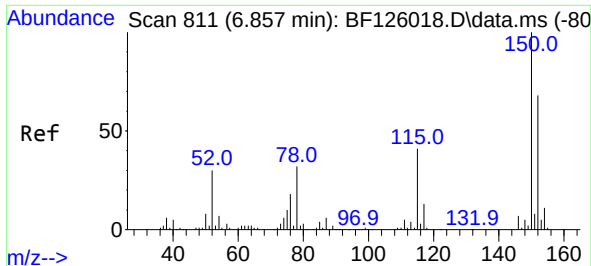
Instrument :
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Quant Time: Nov 04 10:09:47 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
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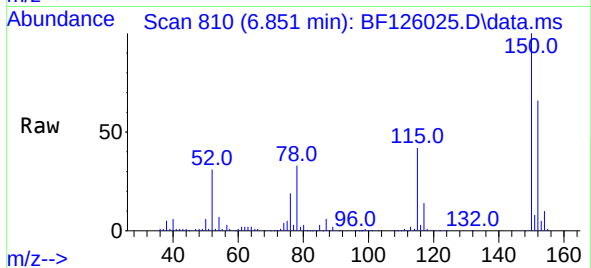
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

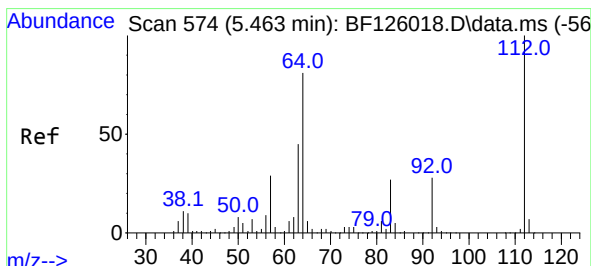
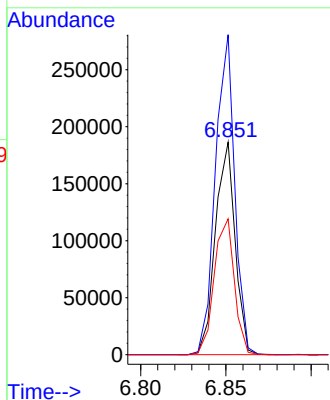
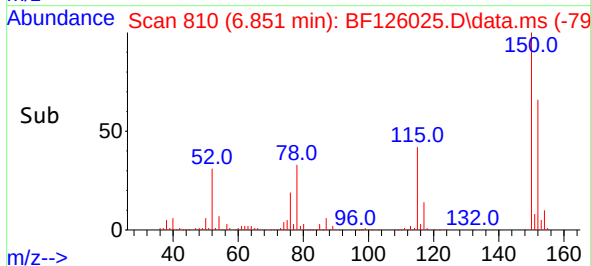
Instrument :
BNA_F
ClientSampleId :
TP-1



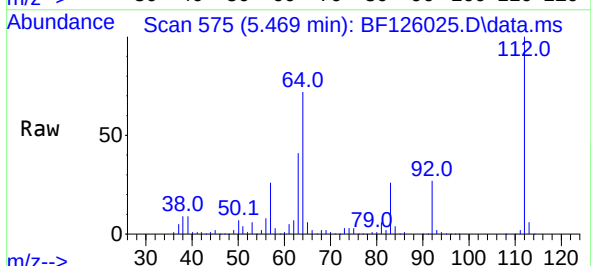
Tgt Ion:152 Resp: 149960
Ion Ratio Lower Upper
152 100
150 150.7 117.6 176.4
115 64.0 47.1 70.7

Manual Integrations
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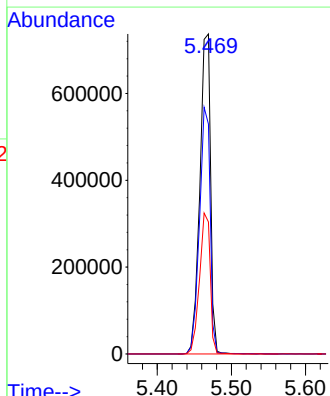
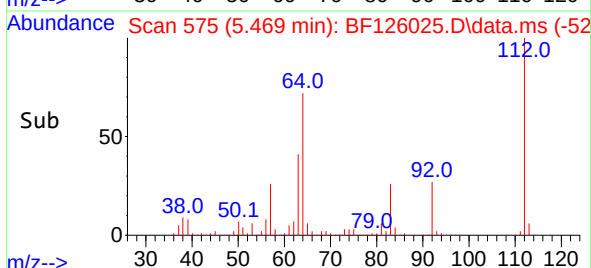
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

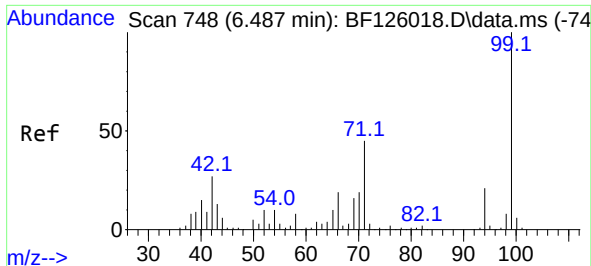


#5
2-Fluorophenol
Concen: 84.92 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



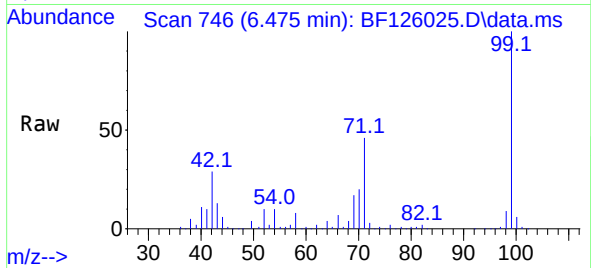
Tgt Ion:112 Resp: 741544
Ion Ratio Lower Upper
112 100
64 71.8 44.2 66.2#
63 41.3 26.2 39.2#





#7
Phenol-d6
Concen: 77.87 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

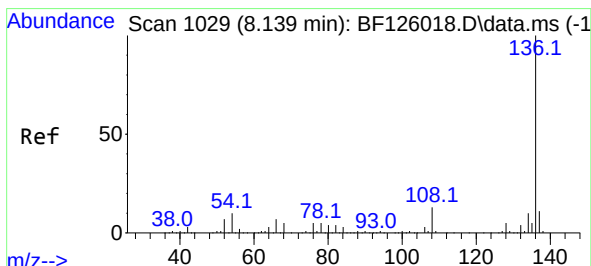
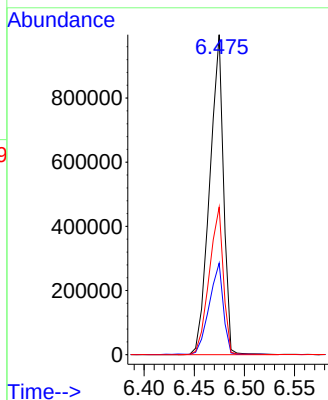
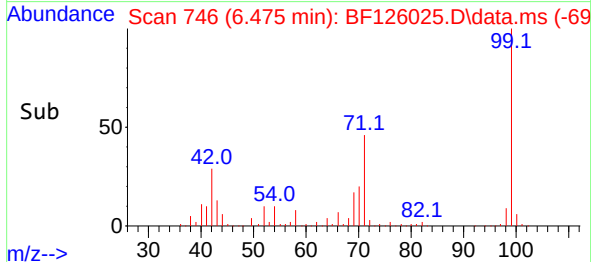
Instrument :
BNA_F
ClientSampleId :
TP-1



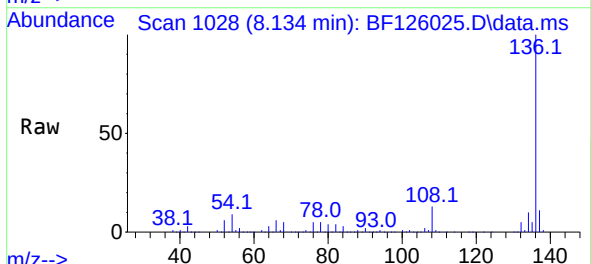
Tgt Ion: 99 Resp: 95858
Ion Ratio Lower Upper
99 100
42 28.6 23.5 35.3
71 46.1 25.6 38.4

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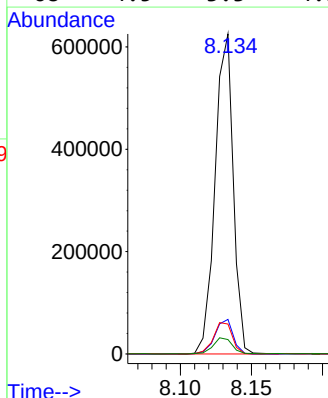
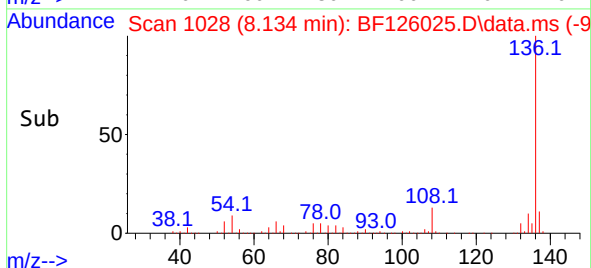
Reviewed By :Christian Giraldo 11/04/2021
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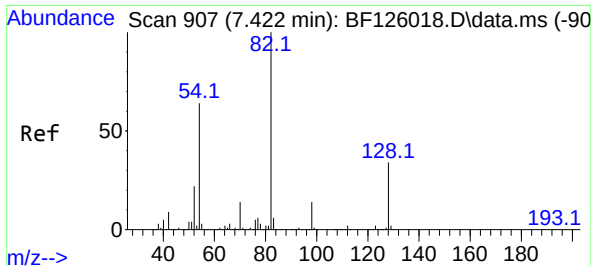


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



Tgt Ion:136 Resp: 555943
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 9.4 6.4 9.6
68 4.5 3.3 4.9





#23

Nitrobenzene-d5

Concen: 61.24 ng

RT: 7.410 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 72195

Ion Ratio Lower Upper

82 100

128 34.6 40.6 60.8

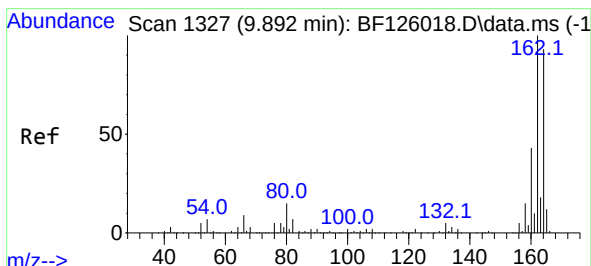
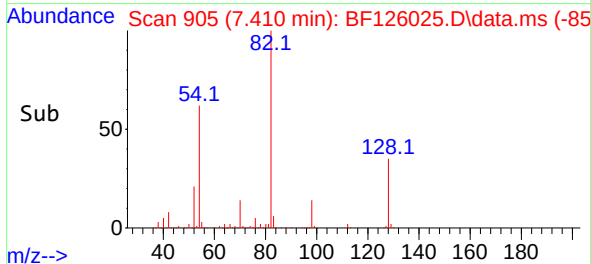
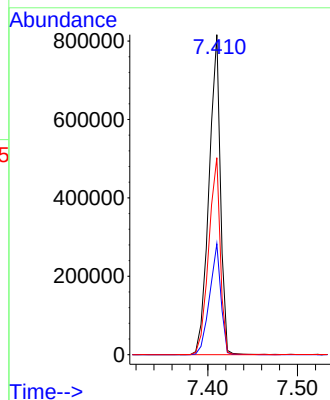
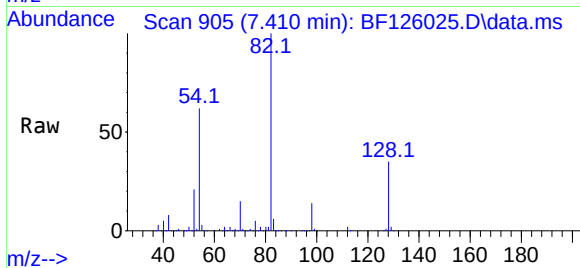
54 61.5 49.6 74.4

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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

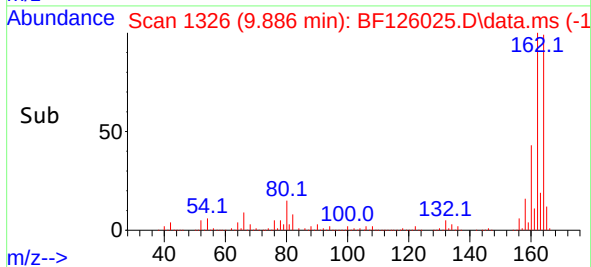
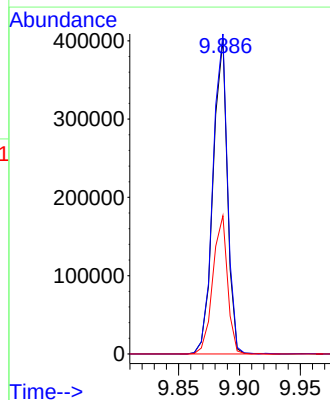
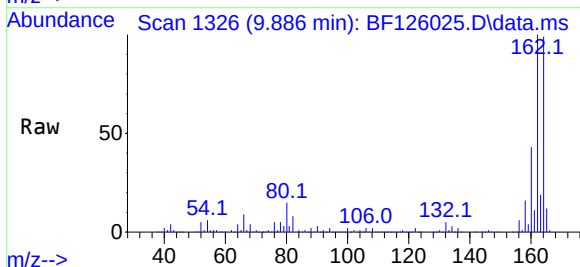
Tgt Ion:164 Resp: 328323

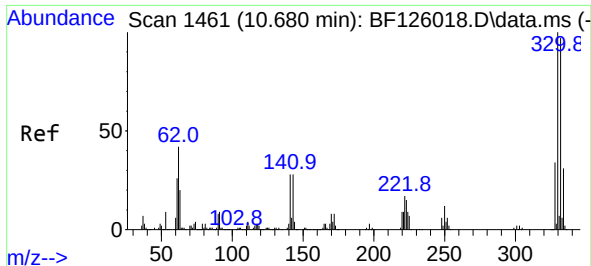
Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

160 43.8 38.0 57.0





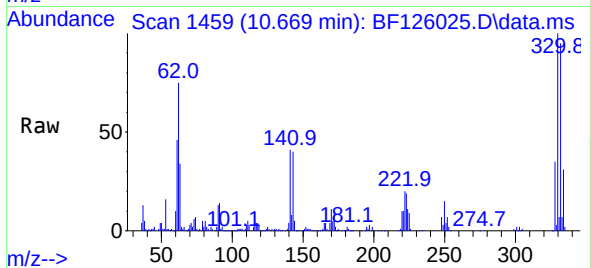
#42
2,4,6-Tribromophenol
Concen: 81.51 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

TP-1

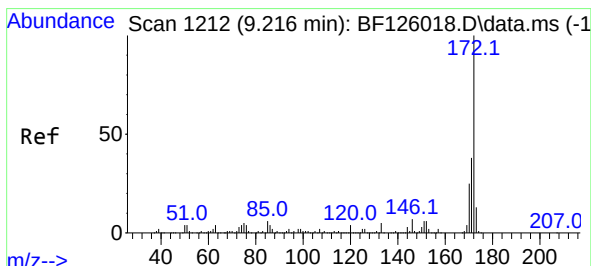
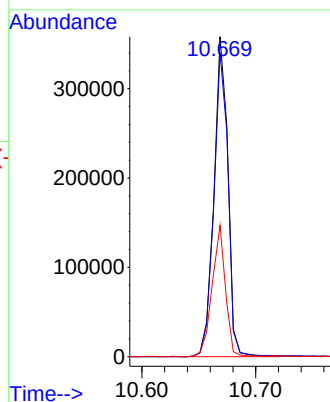
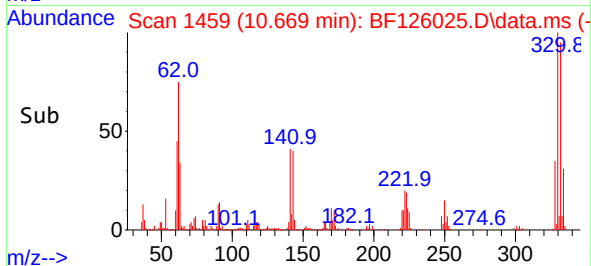


Tgt Ion:330 Resp: 30668
Ion Ratio Lower Upper
330 100
332 96.6 76.2 114.4
141 39.7 44.6 66.8

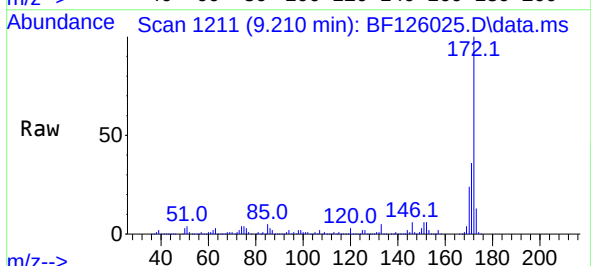
Manual Integrations

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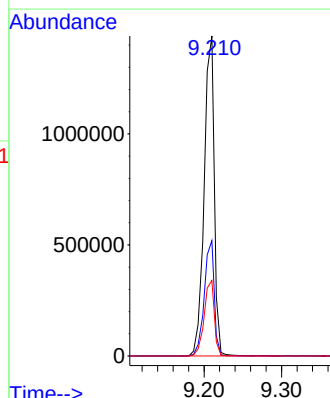
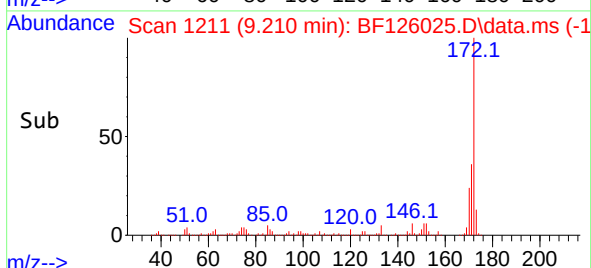
Reviewed By :Christian Giraldo 11/04/2021
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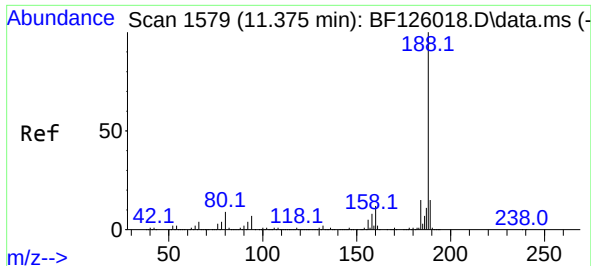


#45
2-Fluorobiphenyl
Concen: 53.94 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



Tgt Ion:172 Resp: 1310590
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 23.6 18.8 28.2





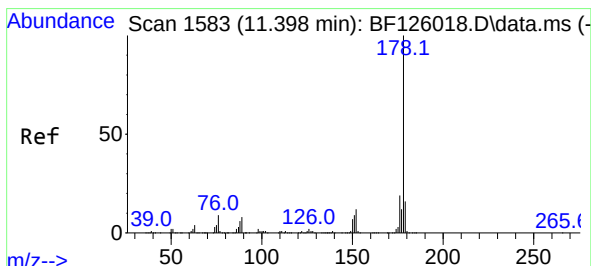
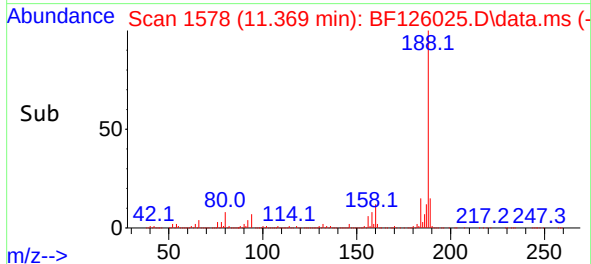
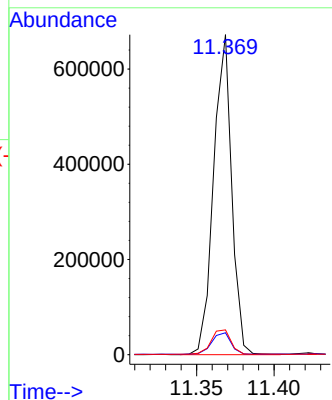
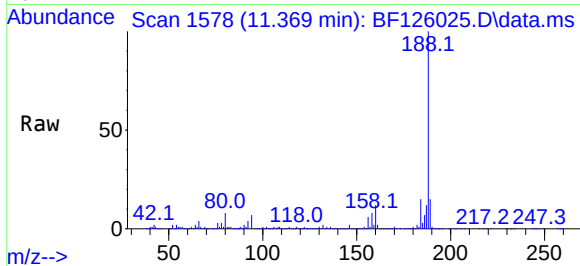
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 544669
Ion Ratio Lower Upper
188 100
94 6.8 6.7 10.1
80 7.8 7.5 11.3

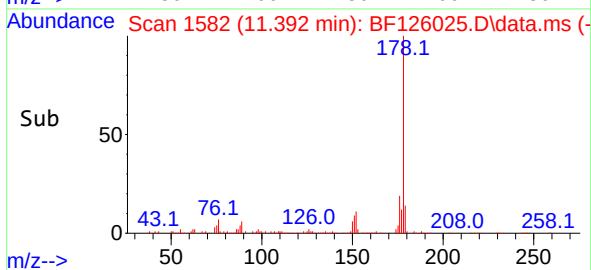
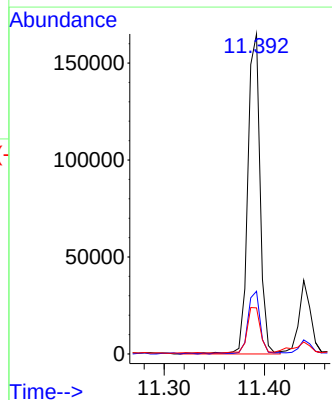
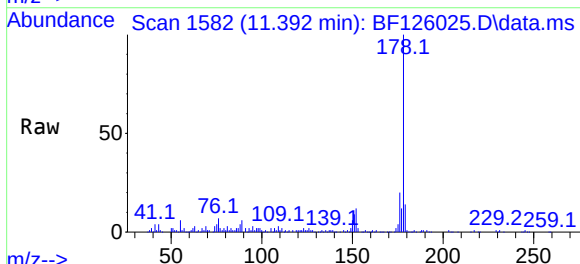
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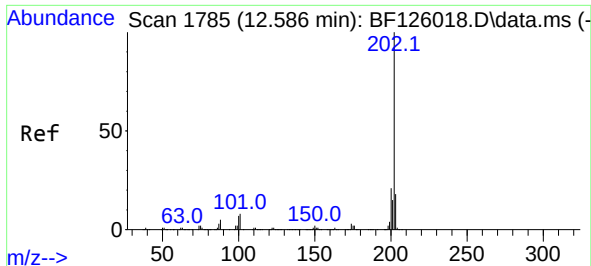
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 4.79 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

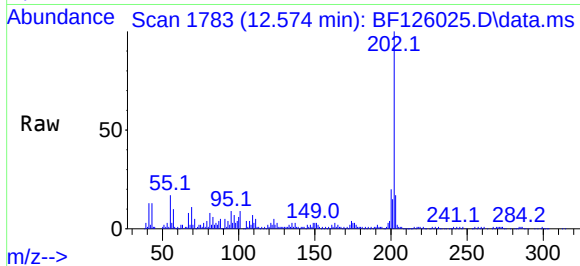
Tgt Ion:178 Resp: 141460
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 14.4 11.5 17.3





#75
Fluoranthene
Concen: 4.67 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

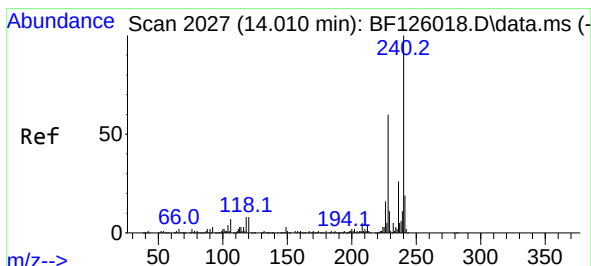
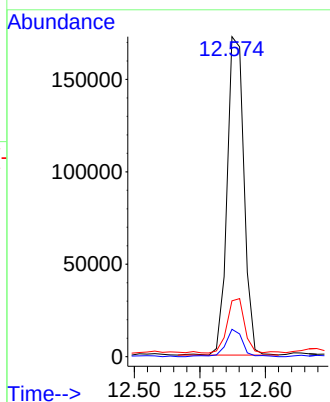
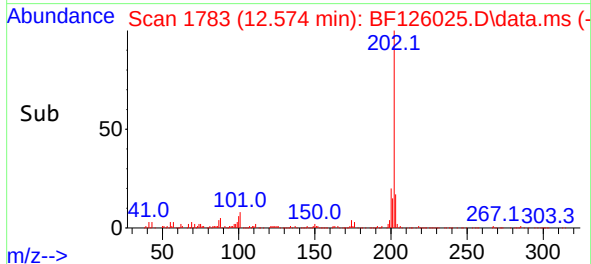
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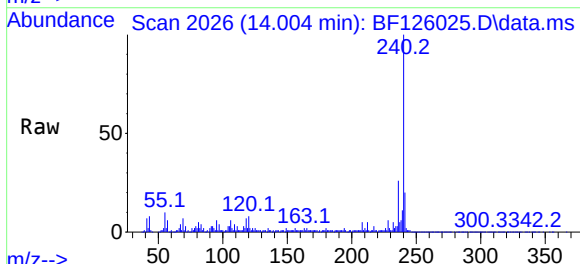
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Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 17.5 0.0 36.3

Manual Integrations
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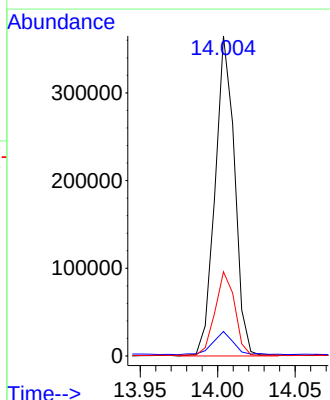
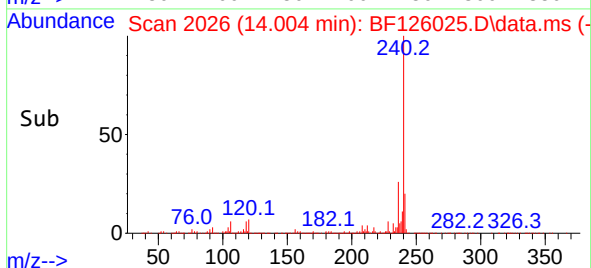
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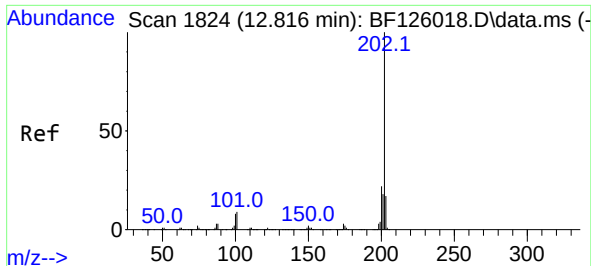


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



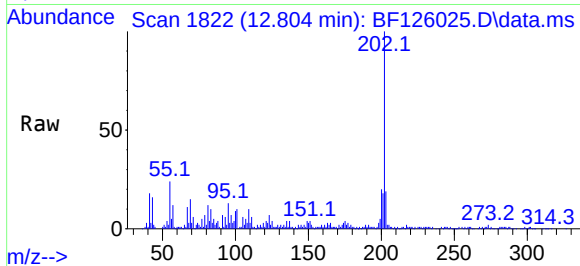
Tgt Ion:240 Resp: 319548
Ion Ratio Lower Upper
240 100
120 7.7 10.8 16.2#
236 26.3 21.6 32.4





#78
Pyrene
Concen: 4.79 ng
RT: 12.804 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

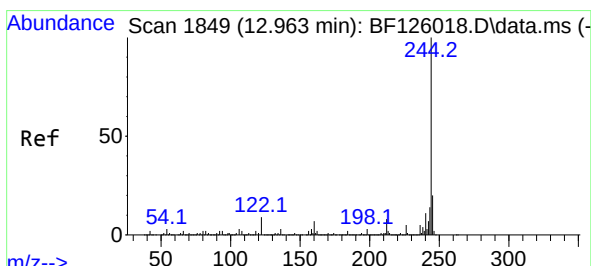
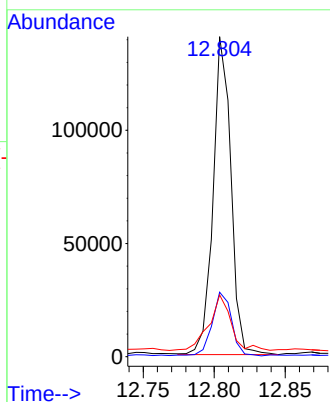
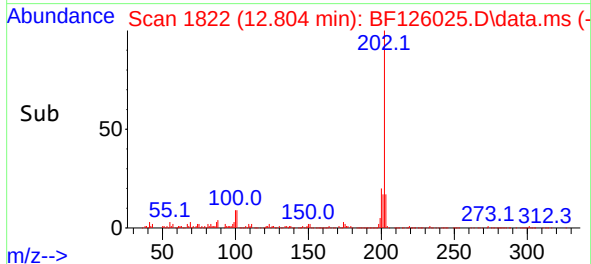
Instrument :
BNA_F
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TP-1



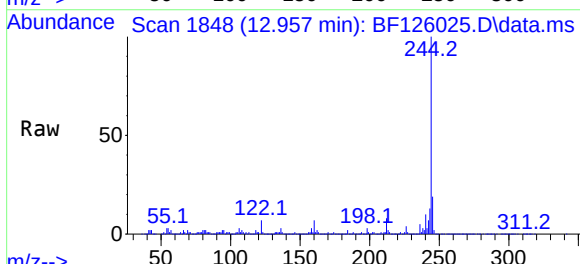
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Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 19.3 13.4 20.0

Manual Integrations
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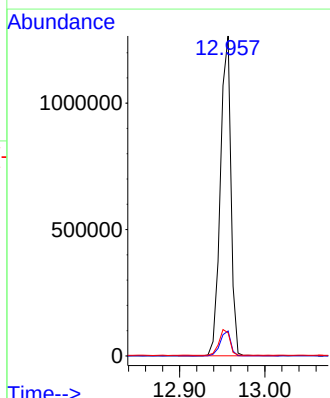
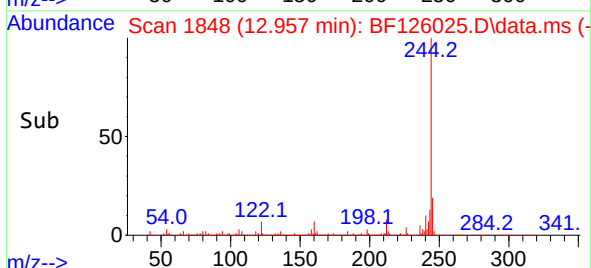
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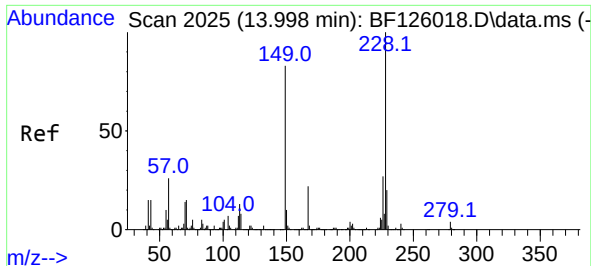


#79
Terphenyl-d14
Concen: 54.60 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



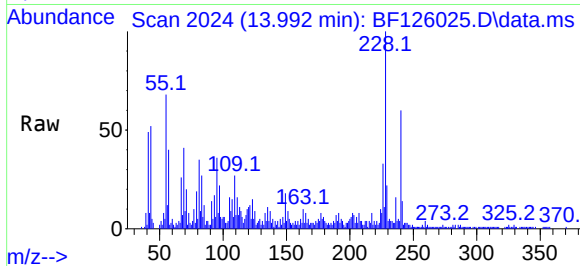
Tgt Ion:244 Resp: 1081984
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 7.3 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 2.75 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

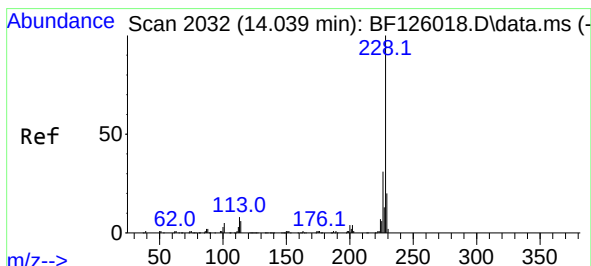
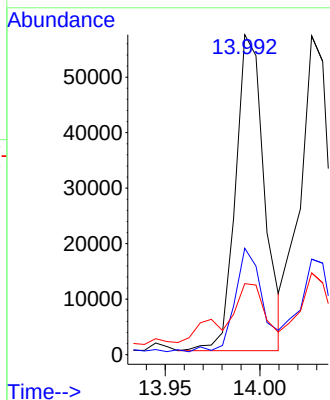
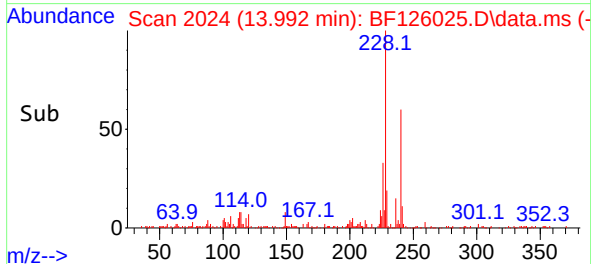
Instrument :
BNA_F
ClientSampleId :
TP-1



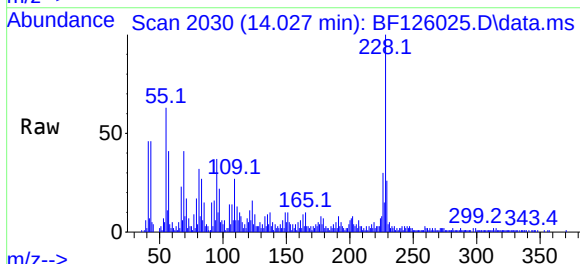
Tgt Ion:228 Resp: 60280
Ion Ratio Lower Upper
228 100
226 33.3 21.6 32.4
229 22.2 15.6 23.4

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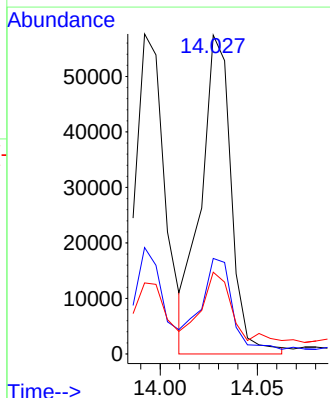
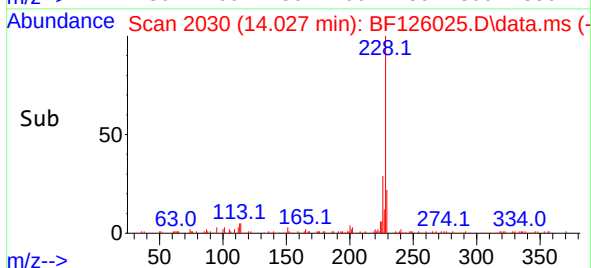
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

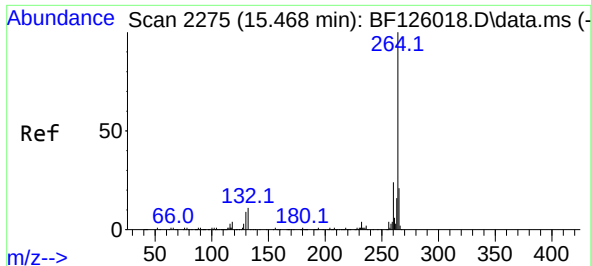


#83
Chrysene
Concen: 3.06 ng m
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



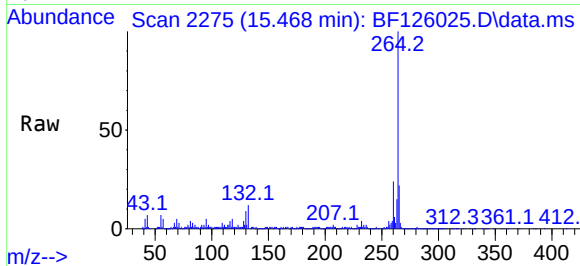
Tgt Ion:228 Resp: 62410
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 25.7 15.9 23.9





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF126025.D
 Acq: 3 Nov 2021 18:16

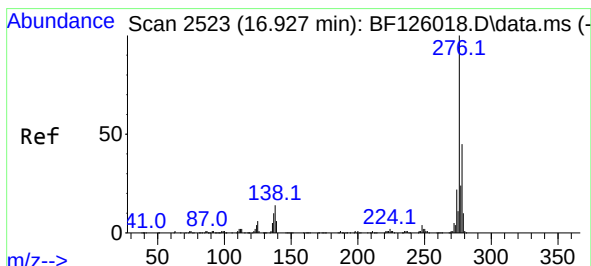
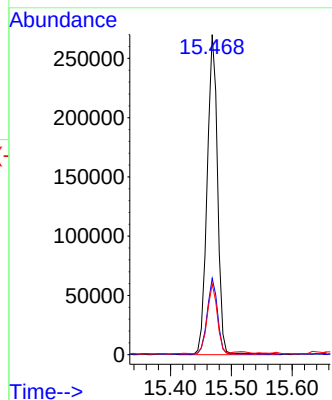
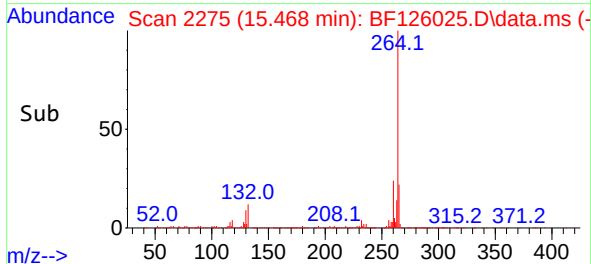
Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 321740
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.6 29.4
 265 22.1 17.2 25.8

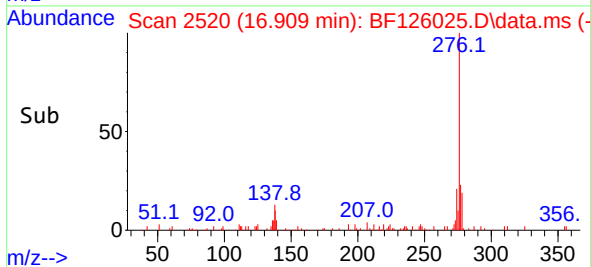
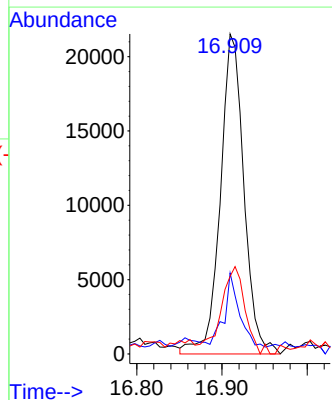
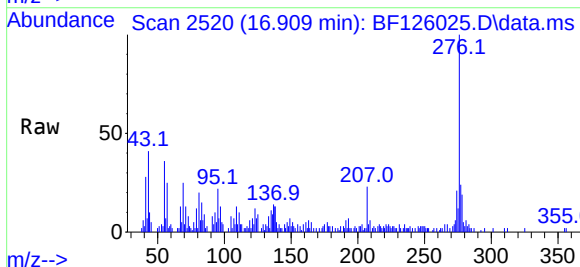
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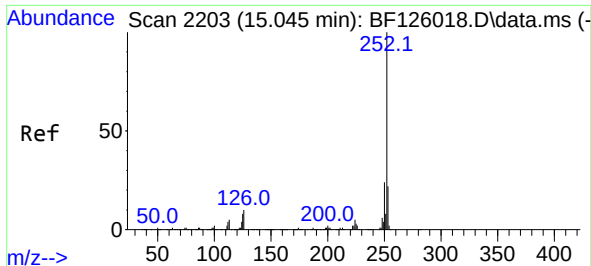
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.17 ng
 RT: 16.909 min Scan# 2520
 Delta R.T. -0.018 min
 Lab File: BF126025.D
 Acq: 3 Nov 2021 18:16

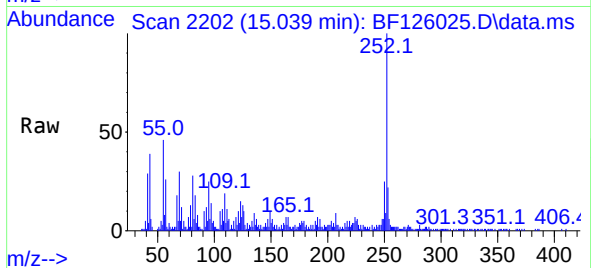
Tgt Ion:276 Resp: 41409
 Ion Ratio Lower Upper
 276 100
 138 14.7 24.1 36.1#
 277 28.2 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 3.50 ng m
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

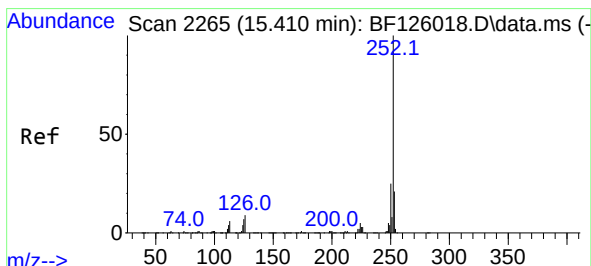
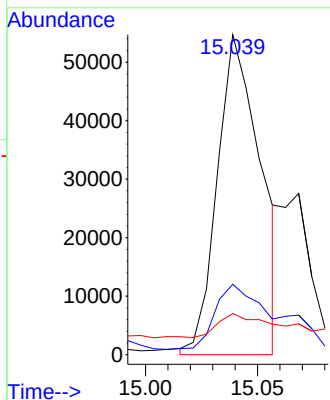
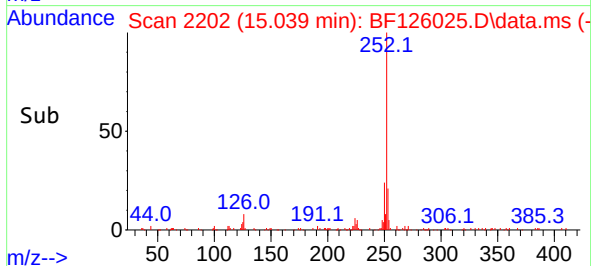
Instrument :
BNA_F
ClientSampleId :
TP-1



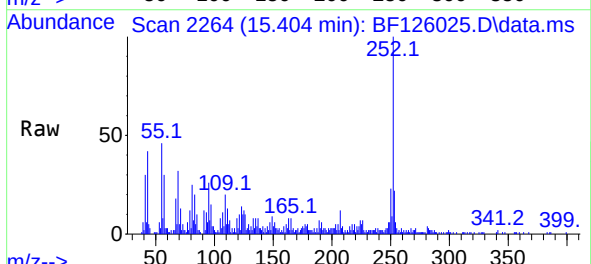
Tgt Ion:252 Resp: 7333
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 12.9 9.8 14.8

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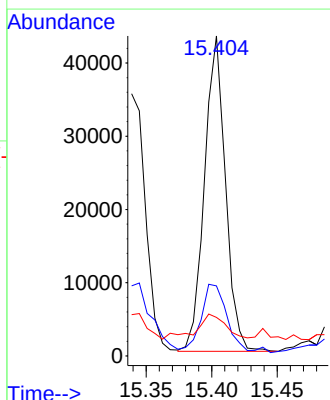
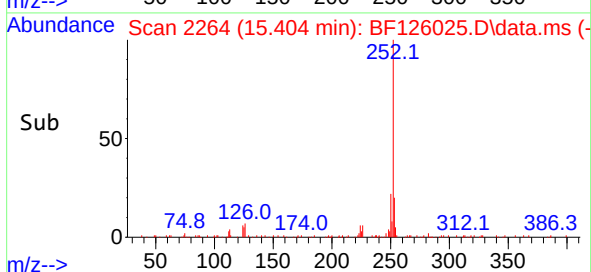
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

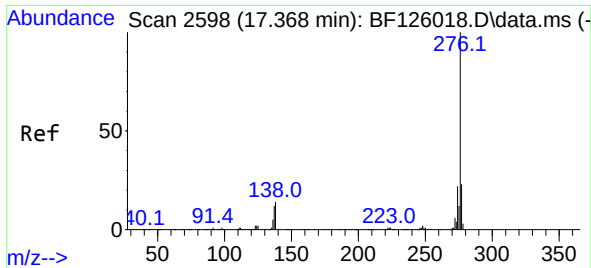


#90
Benzo(a)pyrene
Concen: 2.91 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



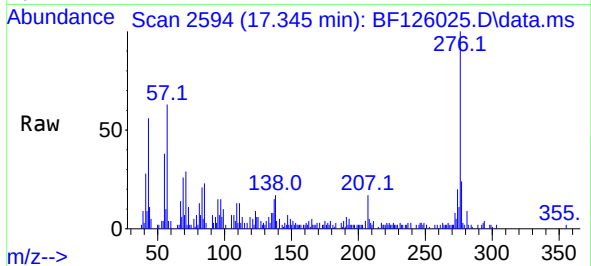
Tgt Ion:252 Resp: 48053
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 12.0 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 2.86 ng
RT: 17.345 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:276 Resp: 4293
Ion Ratio Lower Upper
276 100
277 23.7 22.0 33.0
138 17.0 22.2 33.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

